



### CONTACT

Markets and Products Information  
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- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.3/0.5(0.6)kV
- **Cables installed inside of the containment area (K1)**
- Without Screen (SE)
- Unarmoured (NA)

### STANDARDS

**Product** IEC 60228

**Test** a; IEC 60332-3-23; IEC 60754-1; IEC 61034-2; NF C32-070/C1

### APPLICATIONS

These control cables allow connection to a variety of industrial equipment from control room.

### DESIGN

#### Conductor:

- Stranded (class 2) or flexible (class 5) plain copper

#### Insulation:

- Zero halogen (SH), cross-linked

#### Assembling:

- Polyester tape (optional)

#### Outer sheath:

- Low smoke, zero halogen (LSZH)
- Colour: Grey

#### Core identification

Black cores printed with white numbers  
Optional: with G/Y core

### Marking

LYNXEO 279 Nber of cores & cross-section Cu CST 74 C 068 K1 SH 0.3/0.5(0.6) kV YYYY Manufacturing number + metric marking



Halogen free  
IEC 60754-1; IEC 60754-2



Operating temp.  
-20 ... 60 °C



Smoke density  
IEC 61034-2



Fire retardant  
NF C 32070 C1;  
IEC 60332-3-24  
(cat.B)



Life cycle 60years  
Yes



U.V resistance  
Yes



Radiation resistant  
Yes



LOCA  
Yes

## CHARACTERISTICS

## Construction characteristics

Conductor material	Plain copper
Insulation	Halogen-free
Outer sheath	LSZH
Halogen free	IEC 60754-1; IEC 60754-2

## Usage characteristics

Operating temperature, range	-20 ... 60 °C
Smoke density	IEC 61034-2
Fire retardant	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Life cycle 60years	Yes
U.V resistance	Yes
Radiation resistant	Yes
Loss of coolant accident resistant	Yes
Max. conductor temperature in service	90 °C
Nuclear Classification	Class 1 E LOCA /K1

## STRANDED CLASS 2

Reference	Name	Cross section [mm²]	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10266533	74C068 SH C 500V 2x1 Cu2 K1 SE NA	1	2	1.3	2.5	8.0	9.2	100
10266537	74C068 SH C 500V 3x1 Cu2 K1 SE NA	1	3	1.3	2.5	8.6	10.0	115
10263807	74C068 SH C 500V 7x1 Cu2 K1 SE NA	1	7	1.3	2.5	10.3	11.9	185
10263808	74C068 SH C 500V 9x1 Cu2 K1 SE NA	1	9	1.3	2.5	11.7	13.5	235
10265329	74C068 SH C 500V 14x1 Cu2 K1 SE NA	1	14	1.3	2.5	13.6	15.6	320
10272455	74C068 SH C 500V 3x1.5 Cu2 K1 SE NA	1.5	3	1.5	2.7	8.8	10.1	140
10272456	74C068 SH C 500V 4x1.5 Cu2 K1 SE NA	1.5	4	1.5	2.7	9.4	10.8	165
10236246	74C068 SH C 500V 12x1.5 Cu2 K1 SE NA	1.5	12	1.5	2.7	14.4	16.4	380
10261557	74C068 SH C 500V 19x1.5 Cu2 K1 SE NA	1.5	19	1.5	2.7	15.9	18.3	535

## FLEXIBLE CLASS 5

Reference	Name	Cross section [mm²]	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10272421	74C068 SH C 500V 7x0.75 Cu5 K1 SE NA	0.75	7	1.1	2.3	9.7	11.2	165
10237507	74C068 SH C 500V 3x1 Cu5 K1 SE NA	1	3	1.3	2.5	8.6	10.0	115
10272430	74C068 SH C 500V 3x1.5 Cu5 K1 SE NA	1.5	3	1.5	2.7	8.8	10.1	135
10272431	74C068 SH C 500V 7x1.5 Cu5 K1 SE NA	1.5	7	1.5	2.7	10.9	12.5	230

## SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter

To be doubled during laying operations